OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC334606

SOHLH2 (NM_001282147) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SOHLH2 (NM_001282147) Human Untagged Clone
Tag:	Tag Free
Symbol:	SOHLH2
Synonyms:	bHLHe81; SOSF2; SPATA28; TEB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001282147, the custom clone sequence may differ by one or more nucleotides

ATGGCTTCCTCAATTATCTGCCAGGAGCACTGCCAGATCTCGGGCCAGGCAAAAATAGACATCTTATTAG
TTGGAGATGTCACTGTGGGCTACCTGGCTGATACTGTACAGAAACTATTTGCAAACATAGCAGAAGTCAC
CATCACCATCAGTGACACGAAGGAGGCAGCAGCGCTTTTGGATGATTGCATATTCAACATGGTTCTCTTG
AAGGTGCCTTCTTCACTAAGTGCCGAGGAGCTGGAAGCCATCAAGTTAATTAGATTTGGCAAAAAGAAAA
ATACACATTCACTGTTTGTTTTTATAATCCCTGAAAATTTTAAAGGTTGTATTTCAGGGCATGGAATGGA
TATTGCTTTAACTGAACCACTGACAATGGAAAAAATGAGTAATGTGGTAAAATACTGGACAACATGTCCC
TCAAACACTGTTAAGACTGAAAACGCAACTGGGCCTGAAGAACTTGGATTGCCCCTGCAGAGGTCCTACA
GCGAACACCTGGGATATTTTCCTACTGATCTATTTGCCTGCTCTGAATCTTTAAGGAATGGCAATGGGCT
TGAATTAAATGCTTCGTTGTCAGAGTTCGAGAAAAACAAAAAGATCTCTCTTCTTCATTCAAGCAAGGAA
AAACTAAGAAGGCTGTACAGGAAGCATAGCAGCTTCTGTTTCTGGTGA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001282147
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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Reconstitution Method:
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: NM_001282147.1, NP_001269076.1

RefSeq Size: 1936 bp

RefSeq ORF: 678 bp

Locus ID: 54937

UniProt ID: Q9NX45

Cytogenetics: 13q13.3

Protein Families: Transcription Factors

Gene Summary: This gene encodes one of testis-specific transcription factors which are essential for spermatogenesis, oogenesis and folliculogenesis. This gene is located on chromosome 13. The proteins encoded by this gene and another testis-specific transcription factor, SOHLH1, can form heterodimers, in addition to homodimers. There is a read-through locus (GeneID: 100526761) that shares sequence identity with this gene and the upstream CCDC169 (GeneID: 728591). Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2013]
Transcript Variant: This variant (2) lacks several exons but has an alternate 3' terminal exon, compared to variant 1. The resulting isoform (2) is much shorter and has a distinct C-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.